

On page 30, line 5, delete the word "perturbation" and insert in its place
--permutation--.

On page 30, line 8, delete the word "perturbations" and insert in its place
--permutations--.

On page 35, line 22, after "filed on May 8, 1998," insert --now U.S. Patent No.
5,965,352,--.

On page 36, line 2, delete the word "tl" and insert in its place
--t_i--.

On page 36, line 7, delete the word "both."

On page 37, line 32, after "filed on May 8, 1998," insert --now U.S. Patent No.
5,965,352,--.

On page 39, line 13, delete the word "the" before the word "those."

On page 39, line 17, insert the word --a-- between the word "to" and the word
"patient."

On page 39, line 28, after the word "illustrates" delete the word "the."

On page 40, line 2, replace the word "DICOVER" with the word "DISCOVER."

On page 40, line 24, replace the word "that" with the word "than."

On page 40, line 25, delete the word "gene" and insert in its place

--genes--.

NE On page 41, line 10, delete the word "week" and insert in its place
--weak--.

On page 45, line ¹⁰9, delete the term "8C" and insert in its place
--8B--.

IN THE CLAIMS:

Please amend the claims as follows:

Amend claims 1, 12, 23, 24, 34 and 36 as follows:

B¹ 1. (Amended) A method for evaluating specificity of a drug comprising comparing activity of said drug against its target pathway (D_{target}) in a biological sample and activity of said drug against at least one off-target pathway ($D_{off-target}$) in said biological sample, wherein said D_{target} and $D_{off-target}$ are based on measurements of a plurality of cellular constituents.